

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A01N 45/00, A61K 31/56	A1	(11) International Publication Number: WO 99/25192 (43) International Publication Date: 27 May 1999 (27.05.99)
(21) International Application Number: PCT/US98/24458 (22) International Filing Date: 17 November 1998 (17.11.98) (30) Priority Data: 60/066,197 19 November 1997 (19.11.97) US (71) Applicant (for all designated States except US): HUMANETICS CORPORATION [US/US]; Interchange Tower, Suite 1205, 600 South Highway 169, St. Louis Park, MN 55426-1205 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): WEEKS, Charles, E. [US/US]; 5276 Lakeview Avenue, White Bear Lake, MN 55110 (US). (74) Agent: SHERRILL, Michael, S.; Michael S. Sherrill Law Offices, Suite 200, 4756 Banning Avenue, White Bear Lake, MN 55110-3205 (US).		(81) Designated States: AU, CA, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: USE OF $\Delta 5$ -ANDROSTENE- 3β -OL-7,17-DIONE IN THE TREATMENT OF ARTHRITIS (57) Abstract Arthritis can be treated by administering therapeutic amounts of $\Delta 5$ -androstene- 3β -ol-7,17-dione and metabolizable precursors thereof, such as $\Delta 5$ -androstene- 3β -acetoxy-7,17-dione, which are readily metabolized <i>in vivo</i> to $\Delta 5$ -androstene- 3β -ol-7,17-dione but are not appreciably metabolizable <i>in vivo</i> to androgens, estrogens or dehydroepiandrosterone. Such treatment can be prophylactic, ameliorative or curative in nature.		

BEST AVAILABLE COPY

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece			TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	NZ	New Zealand		
CM	Cameroon	KR	Republic of Korea	PL	Poland		
CN	China	KZ	Kazakhstan	PT	Portugal		
CU	Cuba	LC	Saint Lucia	RO	Romania		
CZ	Czech Republic	LI	Liechtenstein	RU	Russian Federation		
DE	Germany	LK	Sri Lanka	SD	Sudan		
DK	Denmark	LR	Liberia	SE	Sweden		
EE	Estonia			SG	Singapore		